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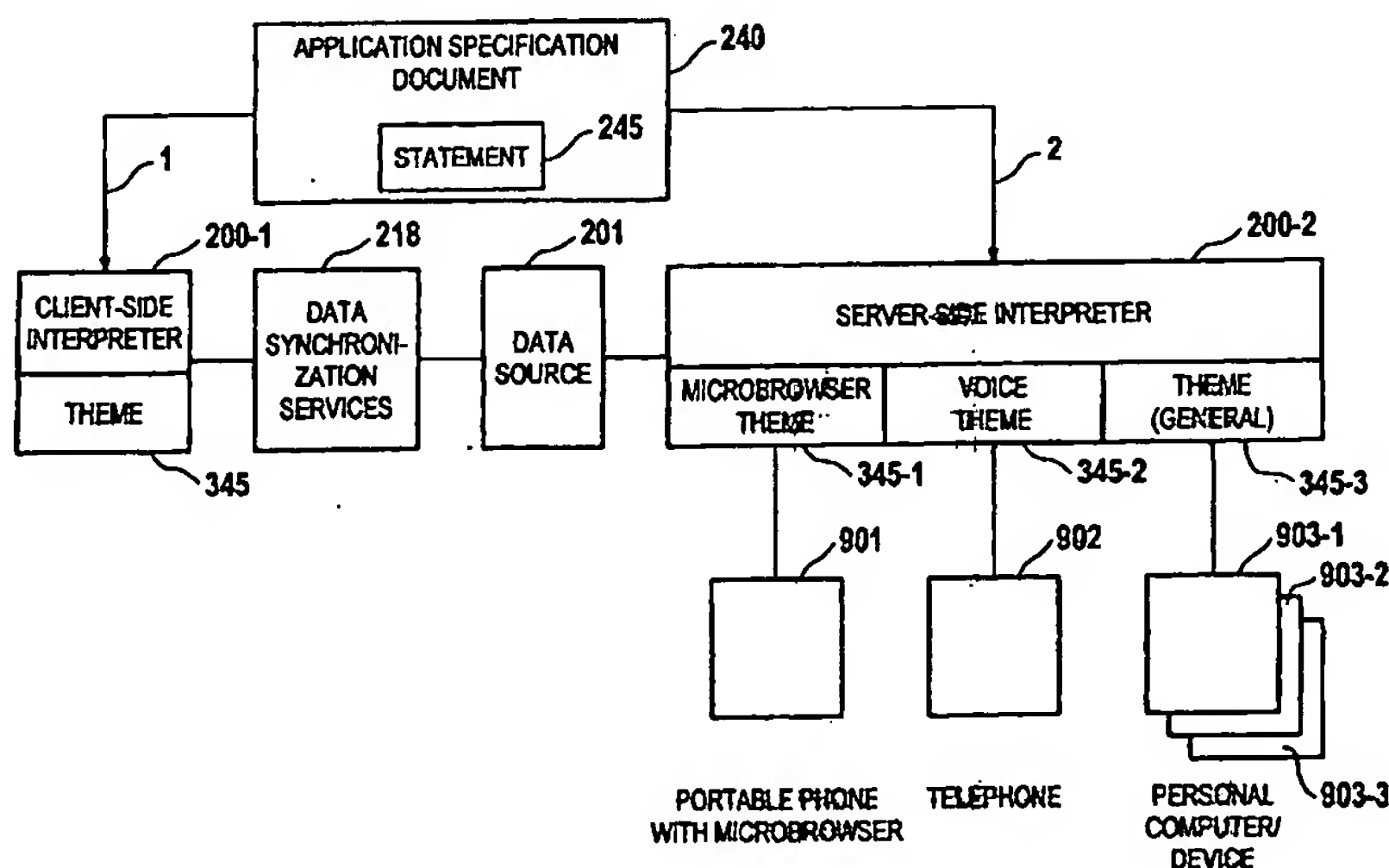
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND COMPUTER PROGRAM FOR RENDERING ASSEMBLIES OBJECTS ON USER-INTERFACE TO PRESENT DATA OF APPLICATION



(57) Abstract: A user-interface (963) of a device (903) renders a first object (360) and a second object (360), each object with data of a business application (300). The device (903) is either of a first type (953-1) or of a second type (953-2). In the device (903), an interpreter (200) receives an application specification document (240) with a statement (245). The statement indicates to render the first and second objects in an assembly (360/370). The interpreter (200) identifies a presentation pattern (295/296) for the assembly (360, 370) from predefined first and second presentation patterns (295/296) according to the type of the device (903) so that the assembly (360, 370) is rendered according to the presentation pattern (295/296).

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INTERNATIONAL SEARCH REPORT

In **al** Application No
PCT/EP 01/04095A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F9/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MARC ABRAMS & CONTANTINOS PHANOURIOU: "UIML: An XML Language for Building Device-Independent User Interfaces" XML CONFERENCE PROCEEDINGS. PROCEEDINGS OF XML, XX, XX, December 1999 (1999-12), XP002161335 the whole document	1,3,6-12
Y	---	2,4,5, 13-21
Y	WO 99 04349 A (KONINKL PHILIPS ELECTRONICS NV ;PHILIPS SVENSKA AB (SE)) 28 January 1999 (1999-01-28) page 5, line 15 -page 7, line 27 ---	2,4,5, 13-15
Y	US 5 335 320 A (IWATA MASATAKE ET AL) 2 August 1994 (1994-08-02) column 2, line 56 -column 3, line 29 ---	16-21
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the International search 7 January 2003	Date of mailing of the International search report 30/01/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Carciofi, A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>ABRAMS M: "User Interface Markup Language (UIML) Draft Specification - Language Version 2.0a" "HARMONIA, INC" UIML DOCUMENTATION, 'Online! 17 January 2000 (2000-01-17), XP002226392 Retrieved from the Internet: <URL:http://www.uiml.org/specs/docs/uiml20-17Jan00.pdf> 'retrieved on 2003-01-07! the whole document</p> <p>---</p>	<p>1-12, 16-21</p>
A	<p>HYATT D: "The XPToolkit Architecture (TOC, Introduction, Overview of Packages)" MOZILLA CROSS-PLATFORM (XP) TOOLKIT DOCUMENTATION, 'Online! 30 March 2000 (2000-03-30), pages 1-6, XP002226393 Retrieved from the Internet: <URL:http://www.mozilla.org/xpfe/xptoolkit /> 'retrieved on 2003-01-07! page 2 -page 6</p> <p>-----</p>	<p>1,3-6,8, 9,11-21</p>

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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